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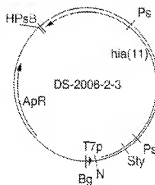
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(54) **Recombinant haemophilus influenzae adhesin proteins**

(57) Recombinant production of Hia protein, in full-length and N-terminally truncated forms, of non-typeable strains of *Haemophilus influenzae*, is described. The nucleic acid and deduced amino acid sequences of Hia genes of various strains of non-typeable and type c *Haemophilus influenzae* also are described.

Restriction map of DS-2008-2-3. pT7 hia (11).



pT7 hia (11)

FIG.1A

EP 2 133 359 A3

FIG. 1B

Oligonucleotides used to PCR amplify the full-length strain 11 *hlsA* gene for expression studies.

SELF:SE

RacR 1 Nde I

↓ ↓

K N K I F N S' I W N P

5'-GGGATTCCTTGTGTTACAGAAATTCTCAACTGTTTGCGAG-3' SEQ ID NO:2

6038.SL SEQ ID NO:1

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K T C V A R G V G F Q W *
 5' AAAAGAGCGCTTGAGAGAGTGTGTTACGAGTGTATATG 3' SEQ ID NO:5
 3' TTTTCTCCCAATATTCATACAGACATGTCATCACTTCTACCGCTTAGG 5' 5039-5L
 ↑ EcoR I ↑ BclI I



EUROPEAN SEARCH REPORT

Application Number

EP 09 17 0138

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The present search report has been drawn up for all claims

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Place of search

Date of completion of the search

Examiner

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1 February 2010

Griesinger, Irina

CATEGORY OF CITED DOCUMENTS

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